

JC997 U.S. PTO  
07/18/01

EL 8440-6498

07-20-01

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. MI22-1777

First Inventor Mark Fischer

Title Semiconductor Processing Methods of Forming a Conductive Projection and Methods of Increasing Alignment Tolerances

Express Mail Label No. EL 844046498 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages 28]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [ Total Sheets 18 ]
- Oath or Declaration [ Total Pages 2 ]
  - Newly executed (original or copy)
  - Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney *(when there is an assignee)*
11.  English Translation Document *(if applicable)*
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. 09 / 507,193

Prior application information:

Examiner D. Deo

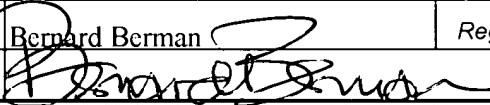
Group Art Unit: 1765

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach bar code label here.)		<input type="checkbox"/> or	<input type="checkbox"/> Correspondence address below
Name				
Address				
City	State		Zip Code	
Country	Telephone		Fax	

Name (Print/Type) Bernard Berman Registration No. (Attorney/Agent) 37,279

Signature  Date July 18, 2001

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EL 844046498

PTO/SB/17 (12/99)

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# FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

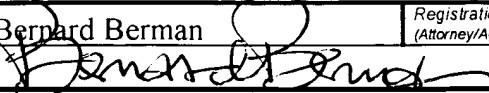
TOTAL AMOUNT OF PAYMENT (\$870.00)

Complete if Known	
Application Number	09/507,193 (Priority)
Filing Date	February 18, 2000 (Priority)
First Named Inventor	Mark Fischer
Examiner Name	D. Deo (Priority)
Group / Art Unit	1765 (Priority)
Attorney Docket No.	MI22-1777

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)					
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:		<b>3. ADDITIONAL FEES</b> Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$) Code (\$) Code (\$) (\$)					
Deposit Account Number	23-0925	105	130	205	65	Surcharge - late filing fee or oath	Fee Paid 0.00
Deposit Account Name	Wells, St. John et al.	127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	0.00
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17		139	130	139	130	Non-English specification	0.00
2. <input checked="" type="checkbox"/> Payment Enclosed:		147	2,520	147	2,520	For filing a request for reexamination	0.00
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		112	920*	112	920*	Requesting publication of SIR prior to Examiner action	0.00
<b>FEE CALCULATION</b>							
1. BASIC FILING FEE							
Large Entity	Small Entity	Fee	Fee	Fee	Fee	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)		
101 690	201 345	Utility filing fee	710.00				
106 310	206 155	Design filing fee					
107 480	207 240	Plant filing fee					
108 690	208 345	Reissue filing fee					
114 150	214 75	Provisional filing fee					
<b>SUBTOTAL (1) (\$ 710.00)</b>							
2. EXTRA CLAIM FEES							
Total Claims	19	-20** = 0	X		= 0	Extra Claims Fee from below	Fee Paid
Independent Claims	5	- 3** = 2	X	80	= 160		
Multiple Dependent					= 0		
** or number previously paid, if greater. For Reissues, see below							
Large Entity	Small Entity	Fee	Fee	Fee	Fee	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)		
103 18	203 9	Claims in excess of 20					
102 78	202 39	Independent claims in excess of 3					
104 260	204 130	Multiple dependent claim, if not paid					
109 78	209 39	** Reissue independent claims over original patent					
110 18	210 9	** Reissue claims in excess of 20 and over original patent					
<b>SUBTOTAL (2) (\$ 160.00)</b>							
Reduced by Basic Filing Fee Paid						<b>SUBTOTAL (3) (\$ 0.00)</b>	

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Bernard Berman	Registration No. (Attorney/Agent)	37,279	Telephone	509-624-4276
Signature		Date	July 18, 2001		

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EL 844046498

PRIORITY Application Serial No. .... 09/507,193

PRIORITY Filing Date ..... February 18, 2000

Inventor ..... Mark Fischer et al.

Assignee ..... Micron Technology, Inc.

PRIORITY Group Art Unit ..... 1765

PRIORITY Examiner ..... D. Deo

Attorney's Docket No. ..... MI22-1777

Title: Semiconductor Processing Methods of Forming a Conductive Projection and  
Methods of Increasing Alignment Tolerances

**SUBSTITUTE DRAWING REQUEST**

Please enter the enclosed substitute drawings in the above-referenced application  
in place of drawings originally filed. The content of the drawings are identical to those now  
on file in this application.

Acknowledgment of receipt of the formal drawings and their acceptance into the file  
is requested.

Respectfully submitted,

By: 

Date: July 18, 2001

Bernard Berman  
Reg. No.: 37,279  
WELLS, ST. JOHN, ROBERTS,  
GREGORY & MATKIN P.S.  
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Enclosures: 9 Sheets of Formal Drawings, Figs. 1-16.